



KG International
Since 1968

KG BEARINGS

PRODUCT OVERVIEW

BRAND • PRODUCT • VALUE

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1 / About KG

2 / KG Product Range

3 / Industry Applications

4 / Why the world chooses KG

KG

KG Today

KG today has a vast business footprint and is primed to accelerate growth



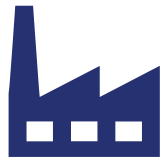
Operating in
65+
Countries



Global team of
100+
members



Stock of
24 million+
items



Supplying to
14+
Industries



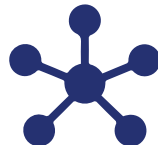
Operating out of a
250,000+
sqft distribution hub



Dealing in
14+
unique brands



Running on a
modern tech stack



Dedicated sales force
in 8+
countries (and
counting)



Increasing
marketing spend
by 14x YoY

KG Value to Customers

KG is laser-focused on adding value to make our customers/ partners more competitive, productive, and profitable

Quality and Price Balance

...that helps make all our customers more competitive, productive and, profitable



Ever-Expanding Product Range

...and strong stock position across our product portfolio to meet industrial and automotive requirements



Efficient process and systems

...to drive customer satisfaction and reduce lead times through a nimble structure and modern tech stack



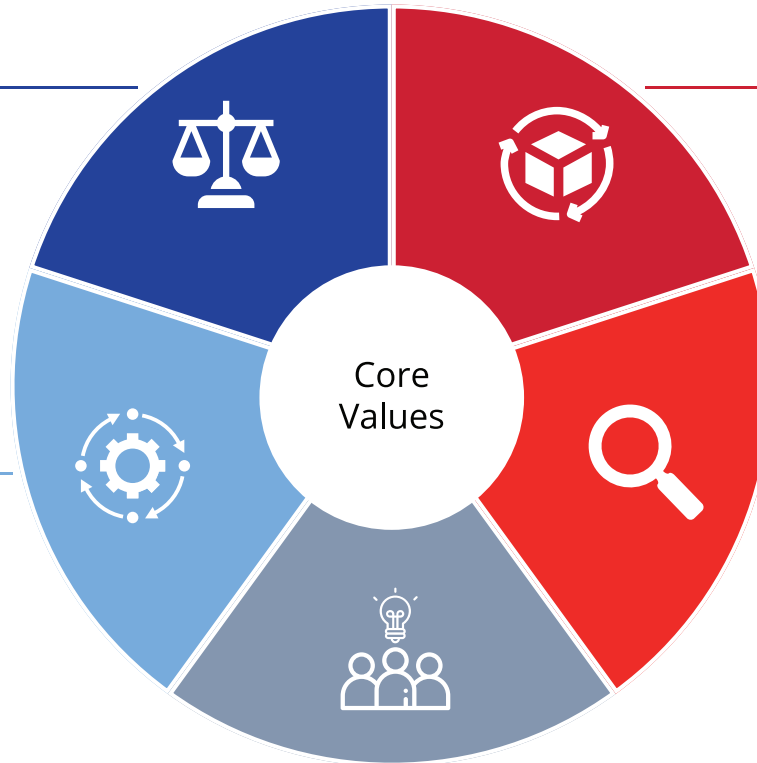
Transparent Operating Structure and After Sales Support

...which drives accessibility to all levels of the organization while bringing a problem-solving attitude to all interactions



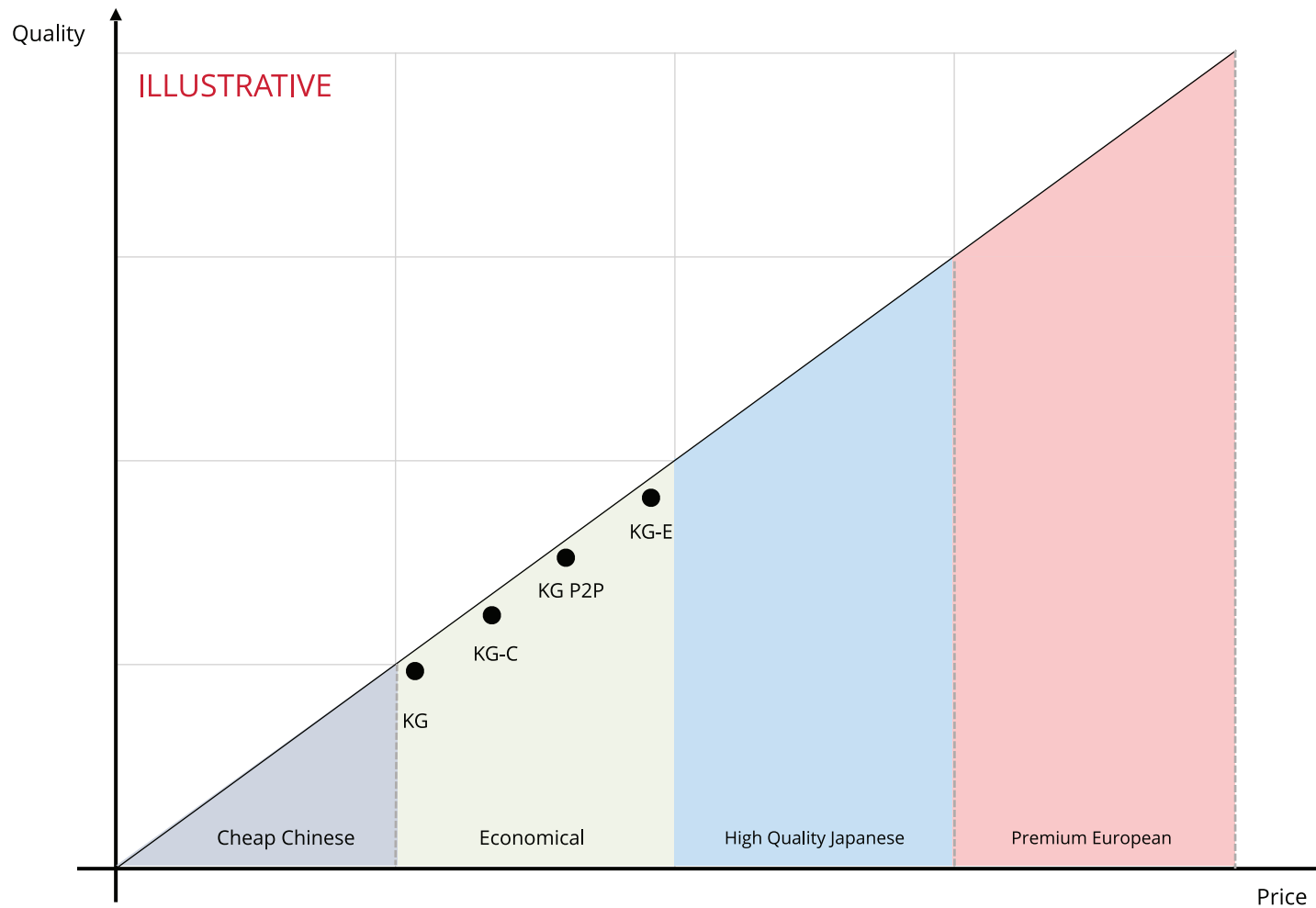
Thought leadership

...in technical and global market analysis across our product range and geographical footprint



Bearing Market Segmentation

KG has a product range fit for all economical bearing requirements



“ KG is the world's leading economical bearing brand ”

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KG has a solution for all your needs

KG has five brand variants which cater to distinct market segments based on the quality they require



KG Blue



KG Colorful



KG-U



KG P2P



KG-E

Increasing quality

Increasing performance

Increasing value

KG Brand Variants

KG Blue



KG Blue



KG Colorful



KG-U



KG P2P



KG-E

Bearings perfect for the aftermarket due to good quality, and low price

Quality Parameters

Precision Class:	P0, ABEC1
Raw Material:	GCr15/SAE 52100
Roller Grade:	G10 (Material Grade)
Tolerance:	P0 standard
Grease:	Hangu 2
DGBB Quality:	Z1V1
Raceway Track Roughness:	0.12-0.2 μ m
OD Bore Roughness:	0.5-0.6 μ m
Roller Grouping:	10-15 μ m (as per Radial Clearance)

Types

- Deep Groove Ball Bearings
- Miniature Ball Bearings
- Angular Contact Ball Bearings
- Cylindrical Roller Bearings
- Tapered Roller Bearings
- Spherical Bearings
- Thrust Roller Bearings
- Pillow Block Bearings
- Adapter Sleeves
- Automotive Bearings

Product Details

Marking: "KG" + Full Bearing no. on the inner ring face for 2RS & ZZ types and on the outer ring face for other types

Seal: Red or Black (occasionally)

Shield: SPCC Yellow

KG Brand Variants

KG Colorful



KG Blue



KG Colorful



KG-U



KG P2P



KG-E

Higher quality bearings perfect for aftermarket customers looking for a more premium product with a competitive price

Quality Parameters

Precision Class:	P0, ABEC1
Raw Material:	GCr15/SAE 52100
Roller Grade:	G10
Tolerance:	P0 standard
Grease:	Hangu 2
DGBB Quality:	Z2V1
Raceway Track Roughness:	0.12-0.2 μ m
OD Bore Roughness:	0.5-0.6 μ m
Roller Grouping:	10-15 μ m (as per Radial Clearance)

Types

- Deep Groove Ball Bearings
- Angular Contact Ball Bearings
- Cylindrical Roller Bearings
- Tapered Roller Bearings
- Spherical Bearings
- Pillow Block Bearings
- Automotive Bearings
- Miniature Ball Bearings

Product Details

Marking: "KG" + Full Bearing No. with complete suffixes + Factory Code on inner ring face for 2RS & ZZ types and on outer ring face for other types (for traceability)

Seal: Black

Shield: Silver

KG Brand Variants

KG-U



KG Blue



KG Colorful



KG-U



KG P2P



KG-E

Types

- Spherical Roller Bearings
- Spherical Roller Thrust Bearings

Product Details

Marking: "KG-U" + Full Bearing no. on the outer ring face

Wrapping: Wrapped with a plastic sheet, VCI paper, and waterproof tape to protect from rust and ensure long lasting storage ability

Packaging: Strong, durable, plywood packaging to protect bearings in transport and storage; For bearings lighter than 35kg, we use the KGC packaging

Large size, industry-specific, industrial bearings where bearings require long life and better load carrying capacity to ensure continuous function of the operation

Quality Parameters

Precision Class:	P0, ABEC1
Speciality:	Lubrication groove is wider
Roller:	Dimple roller to distinguish
Tolerance:	Manufacturing tolerance & set up of P0, P6
Production:	Controlled in range of P0, P6
Hardness:	Throughout uniform hardness
Load Ratings:	As per application
Roller Grouping:	5-10µm (as per Radial Clearance)

KG Brand Variants

KG P2P



KG Blue



KG Colorful



KG-U



KG P2P



KG-E

High quality bearings made particularly for OEM and End User customers demanding very high precision and longevity

Quality Parameters

Precision Class:	P6, ABEC3
Raw Material:	GCr15/SAE 52100
Roller Grade:	G10
Tolerance:	P6 standard
Grease:	Kyodo Yushi (Japan), Shell Alvania RL3
DGBB Quality:	Z3V2 or higher for smaller bearings; Z2V2 for larger bearings
Hardness:	+/-2 HRC at diff. point of rings

Types

- Deep Groove Ball Bearings
- Tapered Roller Bearings
- Automotive Bearings

Product Details

Marking: "KG P2P" + Full Bearings No + Factory, Grease, and Quality Codes on seal/shield for 2RS & ZZ types and on outer ring face for open types (for traceability)

Seal: Black

Shield: Silver

KG Brand Variants

KG-E



KG Blue



KG Colorful



KG-U



KG P2P



KG-E

High quality bearings made particularly for OEM and End User customers demanding very high precision and longevity

Quality Parameters

Precision Class:	P6, ABEC3
Raw Material:	GCr15/SAE 52100
Roller Grade:	G10
Tolerance:	P6 or higher
Grease:	Kyodo Yushi (Japan)
DGBB Quality:	Z3V3, Z4V4
Hardness:	+/-2 HRC at diff. point of rings

Types

- Radial Ball Bearings

Product Details

Marking: "KG-E" + Full Bearing No. with complete suffixes + Factory, Grease, and Quality Codes on seal/shield for 2RS & ZZ types and on outer ring face for open type

Seal: Black

Shield: Silver

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KG has a product range for all major industries

KG Bearings have been widely adopted by end users and OEMs around the world across 14+ industries



Automotive Industry



Agriculture Industry



Cement Industry



Metal Industry



Construction Industry



Crusher Industry



Home Appliances



Pulp and Paper Industry



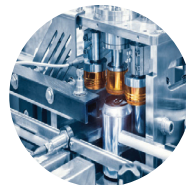
Sugar Processing



Textile Industry



Heavy Machinery Equipment



Fluid Machineries

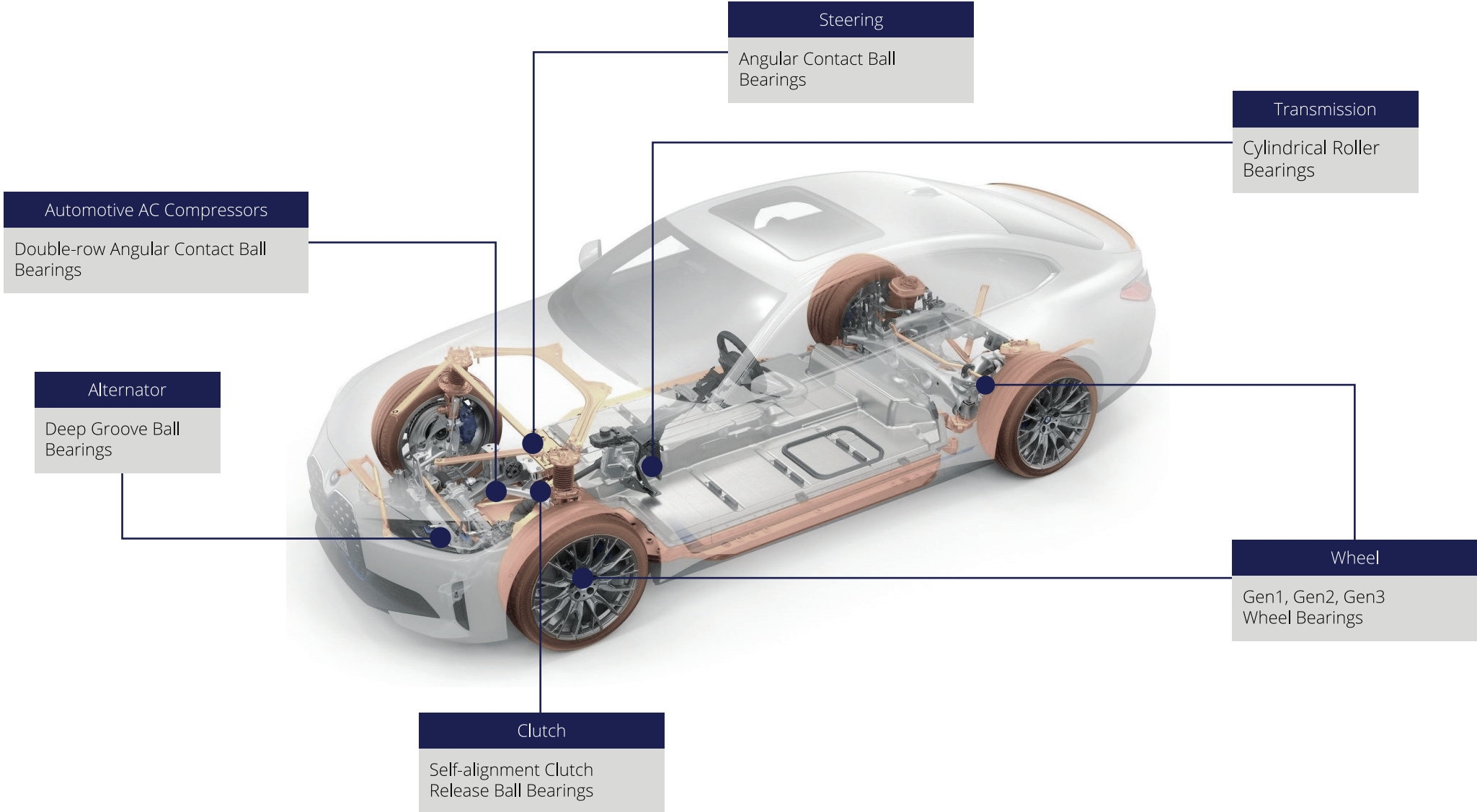


Marine and Offshore

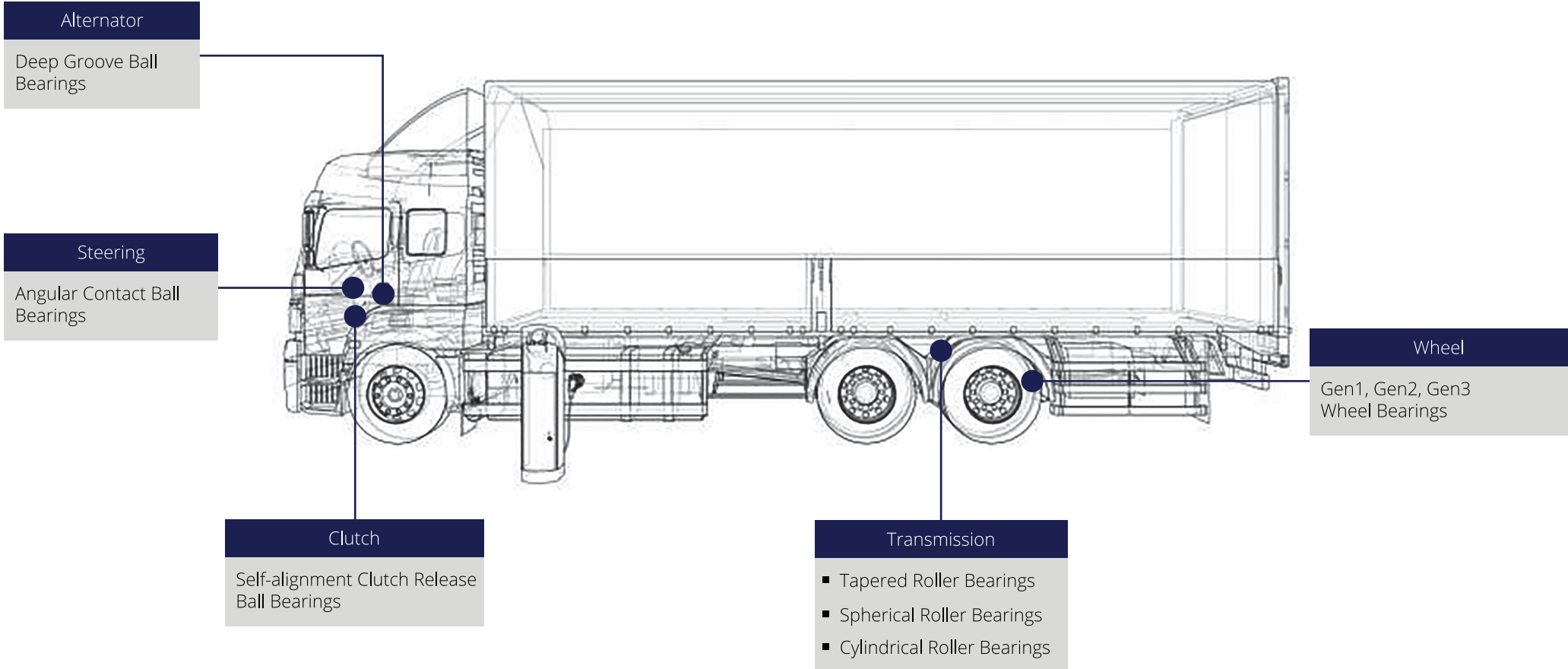


Production Machinery

Automotive – Passenger Cars



Automotive – Trucks



Automotive – 2/3 Wheelers



Engine
Tapered Roller Bearing

Wheel
Gen1, Gen2, Gen3 Wheel Bearings



Engine
Needle Roller Bearings

Agriculture Industry

Disc Harrow



Agriculture Attachments



Agriculture Combines



General Application Agriculture Equipment



Operating Characteristics

- ⌘ High contamination
- ⌘ High shock loads
- ⌘ Severe working environment
- ⌘ Reliable operation

- ⌘ High contamination
- ⌘ Dynamic misalignment condition
- ⌘ High moment and shock loads

- ⌘ Contamination
- ⌘ Harsh environment
- ⌘ High Shock loads

- ⌘ Low maintenance
- ⌘ Misalignment
- ⌘ Higher radial loads
- ⌘ Re-lubrication facilities
- ⌘ Heavy vibrations

Bearing Requirements

Bearings should be able to accommodate harsh environmental conditions such as dirt, mud, snow, fertilizer, dryness and moisture.

Bearings need to be reliable in severe working conditions with effective sealing and to dynamically accommodate misalignments.

Bearings need to have a higher load rating and effective sealing in a polluted environment.

Bearings with a high-quality grease and effective sealing are needed to accommodate heavy shock loads in a contaminated environment to ensure operational reliability.

KG Offers






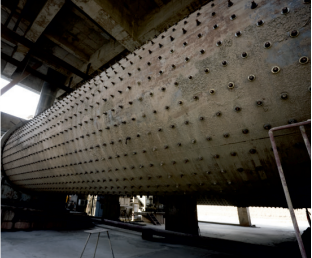
- ⌘ Agri hub bearings
- ⌘ Insert ball bearings
- ⌘ Ball bearing units

- ⌘ Insert ball bearings
- ⌘ Ball bearing units
- ⌘ Self-alignment ball bearings
- ⌘ Square bore bearings
- ⌘ Housing

- ⌘ Deep groove ball bearings
- ⌘ Insert ball bearings
- ⌘ Ball bearing units

- ⌘ Insert ball bearings
- ⌘ Ball bearing units
- ⌘ Angular contact ball bearings
- ⌘ Tapered roller bearings
- ⌘ Square bore bearings units and housing

Cement Industry

	Vibrating Machinery	Conveyors	Grinding Mill	Kiln	Fan	Cement Milling
Operating Characteristics	 <ul style="list-style-type: none"> High Vibrations High Shock loads Contamination 	 <ul style="list-style-type: none"> Contamination Harsh environment Misalignment Shock load 	 <ul style="list-style-type: none"> High Shock Loads High Momentum loads Cold and Hot temperature Heavy vibrations 	 <ul style="list-style-type: none"> Harsh Environment High Temperature 	 <ul style="list-style-type: none"> Moderate to High Speed Harsh Environment Unbalanced Loading High Temperature 	 <ul style="list-style-type: none"> High Temperature Heavy Shock loads Low Speed
Bearing Requirements	Bearings need to be reliable in a vibrating, moist and contaminated environment.	Bearings need to have a high speed rating and the ability to accept dynamic misalignments in a polluted environment.	Bearings need to accommodate heavy shock loads in contaminated environments to ensure operational reliability.	Bearings need to have a high load carrying capacity, with special heat treatment and right lubrication practice to ensure performance in a harsh and high-temperature working environment.	Bearings need to have a high speed rating to accommodate light radial and moderate axial loads, need to perform in contaminated environments with uneven loading due to abrasive particles.	Bearings need to have high load ratings, to ensure reliable operation in severe working environments.
KG Offers	KG-U Series <ul style="list-style-type: none"> Spherical Roller Bearings with special clearance 	KG Colourful Series <ul style="list-style-type: none"> Deep Groove Ball Bearing KG Standard Series <ul style="list-style-type: none"> Taper Roller Bearings Plumber blocks Sleeves Pillow blocks KG-U Series <ul style="list-style-type: none"> Spherical Roller Bearings 	KG Standard Series <ul style="list-style-type: none"> Taper Roller Bearings Cylindrical Roller Bearings (Single and Double row) Sleeves Pillow blocks Bearings with special heat treatment KG-U Series <ul style="list-style-type: none"> Spherical Roller Bearings 	KG Standard Series <ul style="list-style-type: none"> Taper Roller Bearings Cylindrical Roller Bearings Sleeves Plummer blocks Pillow blocks Linear Bearings Bearings with special heat treatment KG-U Series <ul style="list-style-type: none"> Spherical Roller Bearings 	KG Standard Series <ul style="list-style-type: none"> Cylindrical Roller Bearings Sleeves Plummer blocks KG-U Series <ul style="list-style-type: none"> Spherical Roller Bearings 	KG Standard Series <ul style="list-style-type: none"> Cylindrical Plain Bearings Sleeves KG-U Series <ul style="list-style-type: none"> Spherical Roller Bearings

Crusher Industry



Jaw Crusher

Operating Conditions

- ⊗ Heavy to Moderate Loads
- ⊗ Shock Loads
- ⊗ Moderate speed
- ⊗ Heavy vibrations
- ⊗ Harsh environment



Cone Crusher

Bearing Requirements

Bearings need to accommodate non-predictable shock loads caused by the size and hardness of the stones.



Impact Crusher

KG Offers






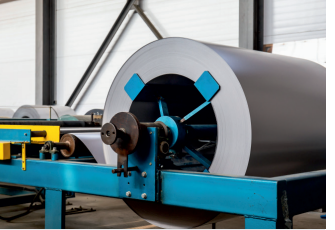
KG Standard Series

- ⊗ Plummer Block Assemblies
- ⊗ Adapter Sleeves
- ⊗ Spherical Roller Bearings

KG P2P Series

- ⊗ Crusher Bearings for Vibrating Screen

Metal Industry

	Sintering Equipment	Converters	Conveyors	Continuous Caster	Hot Rolling Mill	Cold Rolling Mill
Operating Characteristics	 <ul style="list-style-type: none"> High temperature Heavy loads Low speed 	 <ul style="list-style-type: none"> High temperature Heavy static loads Oscillation Low speed 	 <ul style="list-style-type: none"> Contamination Harsh environment Misalignment High torque 	 <ul style="list-style-type: none"> High temperature High loads Low speed Damp environment (water vapour) 	 <ul style="list-style-type: none"> Vibration and impact load High axial loads High temperature Harsh environment Water infiltration Scale 	 <ul style="list-style-type: none"> High radial loads Impact load Variable speed Contamination
Bearing Requirements	Bearings need to have a high load rating and improved axial load to ensure the durability of operation.	Bearings need to have a high static load rating and be able to sustain under shock loads in swivel moments.	Bearings need to have a high-speed rating and the ability to accept dynamic misalignments in polluted environment. Bearings should be maintenance-free.	Bearings need to be durable in contaminated environments and have high dimensional stabilization at elevated temperatures.	Bearings need to be durable under harsh environment with high load-carrying capacity to ensure operational reliability.	Bearings need to have high radial dynamic load-carrying capacity to ensure operational stability under variable load condition.
KG Solution	KG Standard Series <ul style="list-style-type: none"> Double-row Tapered Roller Bearings Double-row Cylindrical Roller Bearings 	KG U Series <ul style="list-style-type: none"> Spherical Roller Bearings KG Standard Series <ul style="list-style-type: none"> Plummer Blocks Cylindrical Roller Bearings for Gearboxes 	KG Colorful Series <ul style="list-style-type: none"> Deep Groove Ball Bearings KG Standard Series <ul style="list-style-type: none"> Self-Aligning Ball Bearings Taper Roller Bearings Plummer Blocks Sleeves Pillow Blocks Spherical Roller Bearings 	KG U Series <ul style="list-style-type: none"> Spherical Roller Bearings Toroidal Roller Bearings 	KG Standard Series <ul style="list-style-type: none"> Double and Four-row Tapered Roller Bearings - open and closed type Multi-row Cylindrical Roller Bearings Spherical Thrust Roller Bearings Sealed Spherical Roller Bearings 	KG Standard Series <ul style="list-style-type: none"> Double and Four-row Tapered Roller Bearings Multi-row Cylindrical Roller Bearings KG U Series <ul style="list-style-type: none"> Spherical Roller Bearings

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KG brings unmatched quality



LEADING QUALITY CONTROL PRACTICES...

...conducted by dedicated teams and labs in India, China and Dubai using ISO:9001 and IATF 16949:2016 certified processes/ production facilities



HIGH MANUFACTURING QUALITY...

...with controlled temperature and high dimensional accuracy built to P0/ ABEC 1 quality or higher



TOP QUALITY MATERIALS

Our bearings are exclusively made of 100% SAE 52100 or GCr15 bearing steel from reputed steel mills vs cheap carbon steel as in most other economical bearing brands



CONSISTENCY AND RELIABILITY

Less than two claims per year over the past five years and no more than ten claims in a year since KG's inception

KG has the range to cater to all your needs



LARGE AUTOMOTIVE AND INDUSTRIAL RANGE...

... of more than 10,000 SKUs produced by 50+ regularly audited factories in India and China. KG also has the ability to develop range for specific client/ markets including non-standard bearings



BRAND VARIANTS TO SUIT YOUR NEEDS...

...KG has different brands for different quality levels and prices to suit all your needs and performance/price requirements



APPLICATION SPECIFIC RANGES

KG has product ranges ideally suited for specific key applications and is used in OEMs in 14+ industries around the world



RAPID RANGE EXPANSION

KG actively works with customers to ensure that we can grow to suit our customer needs within 3 months to respond to market demands effectively

KG's brand identity and global recognition ensure that you can scale and grow quickly and efficiently



STORIED LEGACY AND STRONG BRAND IMAGE...

...resulting from 53+ years of market leadership and strong investments in marketing resulting in a reputed and highly recognizable product



GLOBAL PRESENCE...

...to ensure you have support, stock and logistics in 60+ countries



STRONG VALUE FOR MONEY...

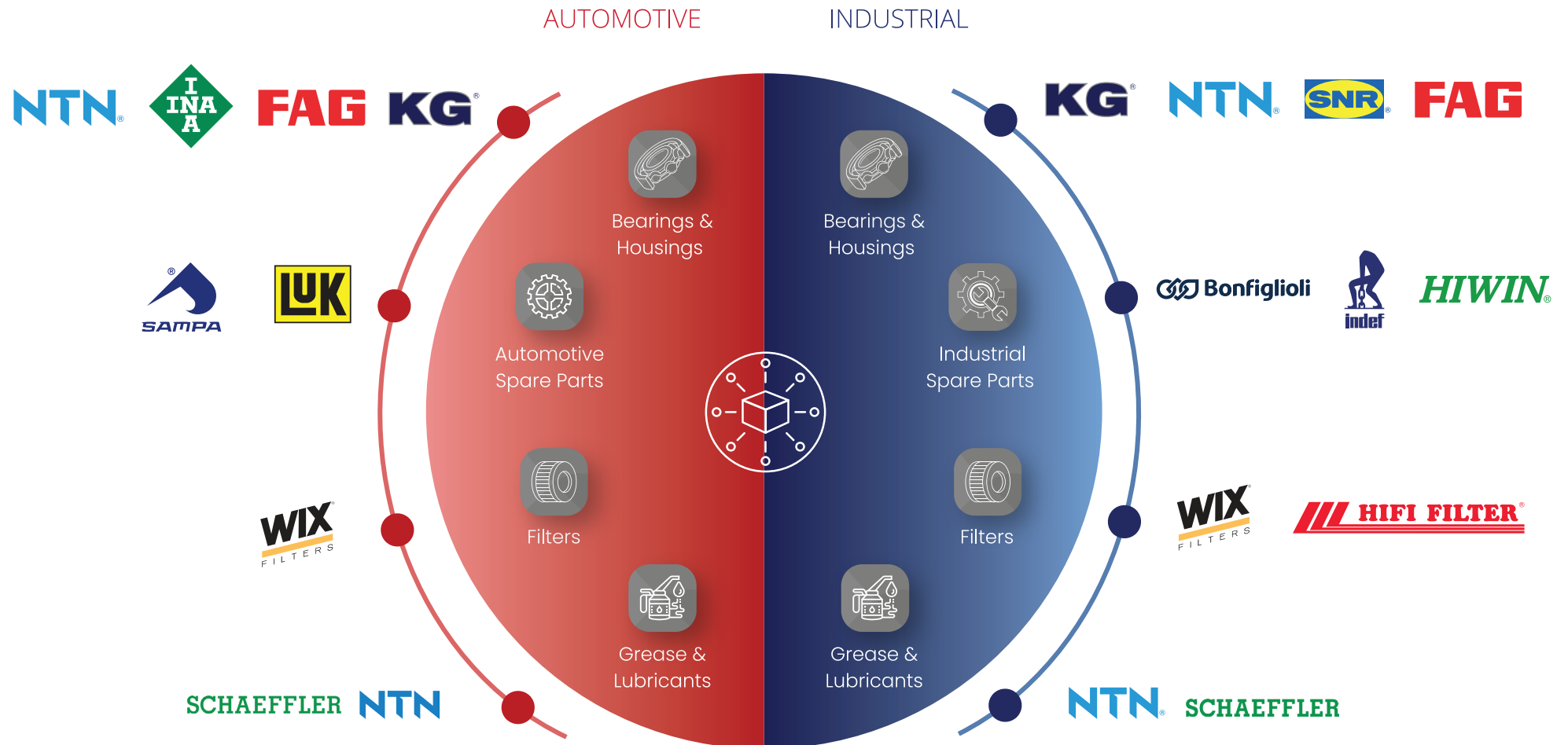
...by delivering high quality with competitive market prices and bringing a collaborative and problem-solving attitude to dominating markets we are in with our partners



BEAUTIFUL AND HIGH-QUALITY PACKAGING...

...to protect your bearings and ensure you are proud of the products you have in your shop, warehouse, or factory






KG has a broad product range for you to provide a more complete solution for you



Introducing The New

 www.kginternational.com



-  Take A Virtual Tour of Our Distribution Hub
-  Learn About Our Product Portfolio
-  Latest News & Events @ KG
-  Download Marketing Collateral / Publications / Technical Insights
-  Explore Our Distribution Network



Thank You!

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